

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA01301WI

This certificate issued to

Radial Engines, Ltd.
Renner Field
P.O. Box 736
Goodland, KS 67735

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 7A of the AB Regulations.

Original Product--Type Certificate Number :

ATC 542

Make :

WACO

Model :

YMF, 3POL-SB as modified by Classic Aircraft Corporation
(WACO F5 or F5C modification only) Supplemental Type
Certificate SA1000GL

Description of Type Design Change:

Installation of Jacobs R-755B2 or R-755B2M engine modified for fuel injection in accordance with STC SE01288WI, J.P. Instruments Fuel Flow meter in accordance with STC SA00432SE, and electric fuel boost pump. Data required: (1) Radial Engines Master Drawing List Report REL1003-13, Revision (IR), dated October 4, 2004, (2) Radial Engines Limited Instruction for Continued Airworthiness Report REL1003-12, Revision (IR), dated October 4, 2004, and (3) FAA Approved Airplane Flight Manual Supplement REL1003-5, Revision (IR), dated January 21, 2005 or later FAA Approved revisions to (1), (2), or (3).

Limitations and Conditions:

Unusable fuel and engine operation limitations identified in the FAA Approved Airplane Flight Manual Supplement (AFMS) shall be used for all flight planning purposes. All airplane serial numbers of the models identified above are eligible for this modification provided compatibility of this design change with previously approved modifications has been determined by the installer. Aviation Gasoline Grade 80 or higher fuel conforming to ASTM Specification D 910 or equivalent is required. Automotive gasoline is not approved for airplanes modified by this design change.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application : November 04, 2004

Date reissued :

Date of issuance : January 27, 2005

Date amended :

By direction of the Administrator



(Signature)

Tina L. Miller
Program Manager
Wichita Aircraft Certification Office

(Title)